			<i>V</i>
	Application No.	Applicant(s)	4
Nation of Allowahility	10/700,532	LIN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Tho v Duong	3743	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due cou	ırse. THIS
1. \square This communication is responsive to <u>12/1/2004</u> .			
2. The allowed claim(s) is/are <u>1-16</u> .			
3. $igwedge$ The drawings filed on <u>05 November 2003</u> are accepted by	the Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the delow. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted in INFORMAL PATENT APPLICATION (PTO-152) which give comply including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declara	national stage application complying with the required as AMENDMENT or NOT the state of the stat	ements
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	•		
ldentifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			ck) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT I 			e the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	(PTO-413), de nent/Comment	
of Biological Material	9.	Tho v Duong Examiner Art Unit: 3743	of

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DETAILED ACTION

Receipt of applicant's response to the election of species requirement filed 12/1/2004 is acknowledged.

Allowable Subject Matter

Claims 1-3 and 5-16 are allowed. Since the claim 1 is generic and allowable, the previous election of species requirement has been withdrawn. Claim 4 is now rejoined. Therefore, claims 1-16 are now allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record either taken singular or in combination fails to disclose that each substrate includes one slot through out of two corresponding end plates of the same side for locating the connection portion, the corresponding end plates each includes an opening with respect to the slot for partially moving the curved portion, which has been described in the specification for shorting the distance between vertical member of the heat pipe and the heat sinks. Reference to Liu is the closest prior art, however, Liu does not disclose that the end plates includes an opening for partially moving the curved portion. In Liu's reference, the slot forms an opening at one end of the substrate and the slot is for locating the connecting portion. Therefore the opening is not capable for partially moving in the curved portion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Li (US 6,796,373) discloses a heat sink module that has a U-shape heat pipe disposed inside a heat sink.

Liu (US 6,651,734) discloses a multi-element heat-dissipating module that has a heat pipe connecting two heat sinks together.

Chen (US 2003/0141041A1) discloses a tube style radiator structure for computer.

Lai et al. (US 20030173061A1) discloses a heat dissipation device with working liquid received in circulation route.

Lee et al. (US 20030230398A1) discloses a heat dissipation device having a U-shape heat pipe embedded in a substrate of a heat sink.

Chen et al. (US 6,394,175) discloses a top mounted cooling device using heat pipes.

Liu (US 20040226697A1) discloses a heat-dissipating module.

Liu (US 20030019610A1) discloses a rapidly self-heat conductive heat-dissipating module.

Goth et al. (US 5,699,853) discloses a combined heat sink and sink plate.

Shih (US 6,396,693) discloses a dual heat sink.

Goodman et al. (US 6,189,601) discloses a heat sink with a heat pipe for spreading of heat.

Yu (US 5,959,837) discloses heat-radiating structure for CPU.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennet can be reached on 571-272-4791. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Tho v Duong

Examiner

Art Unit 3743

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December 10, 2004